



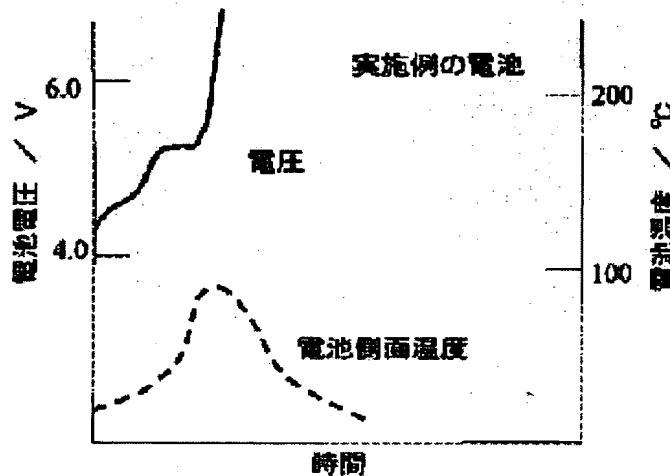
NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY SYSTEM CONTAINING NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND CHARGE CONTROL SYSTEM AND APPARATUS MOUNTING THIS

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Inventor: WATANABE SHOICHIRO; IWAMOTO KAZUYA; UEDA ATSUSHI; NUNOME JUN; KOSHINA HIDE
Applicant: MATSUSHITA ELECTRIC IND CO LTD
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- **international:** H01M10/40; H01M2/34; H01M10/48
- **european:**
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Abstract of JP2002050398

PROBLEM TO BE SOLVED: To provide a battery having excellent safety and long time reliability and a portable information apparatus.
SOLUTION: In the rechargeable non-aqueous electrolyte secondary battery that uses a positive electrode, a negative electrode and a non-aqueous electrolyte, an organic compound that has -8.5 eV–11.0 eV of HOMO (highest occupied molecular orbital energy) as measured using PM3 method to Hamiltonian in the semi-empirical molecular orbital measuring method and -0.135 eV–3.5 eV of LUMO (lowest unoccupied molecular orbital energy), preferably, phenylcyclohexane is added 0.1–20 wt.% to the total of the electrolyte additive and the non-aqueous solvent, and this battery and a charge control system are composed.



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